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Sequence Listing was accepted with existing errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Wed Jul 25 19:07:29 EDT 2007

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Application No: 10564647 Version No: 2.1

Input Set:

Output Set:

Started: 2007-07-25 19:06:31.074
 Finished: 2007-07-25 19:06:35.308
 Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 234 ms
 Total Warnings: 8
 Total Errors: 64
 No. of SeqIDs Defined: 249
 Actual SeqID Count: 249

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (176)
W 213	Artificial or Unknown found in <213> in SEQ ID (177)
W 213	Artificial or Unknown found in <213> in SEQ ID (178)
W 213	Artificial or Unknown found in <213> in SEQ ID (179)
W 213	Artificial or Unknown found in <213> in SEQ ID (180)
W 213	Artificial or Unknown found in <213> in SEQ ID (181)
W 213	Artificial or Unknown found in <213> in SEQ ID (248)
E 341	'Xaa' position not defined SEQID (248) POS (21)
E 341	'Xaa' position not defined SEQID (248) POS (30)
E 341	'Xaa' position not defined SEQID (248) POS (62)
E 341	'Xaa' position not defined SEQID (248) POS (87)
E 341	'Xaa' position not defined SEQID (248) POS (103)
E 341	'Xaa' position not defined SEQID (248) POS (120)
E 341	'Xaa' position not defined SEQID (248) POS (130)
W 213	Artificial or Unknown found in <213> in SEQ ID (249)
E 341	'Xaa' position not defined SEQID (249) POS (4)
E 341	'Xaa' position not defined SEQID (249) POS (5)
E 341	'Xaa' position not defined SEQID (249) POS (7)
E 341	'Xaa' position not defined SEQID (249) POS (9)
E 341	'Xaa' position not defined SEQID (249) POS (12)

Input Set:

Output Set:

Started: 2007-07-25 19:06:31.074

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Total Warnings: 8

Total Errors: 64

No. of SeqIDs Defined: 249

Actual SeqID Count: 249

Error code	Error Description
E 341	'Xaa' position not defined SEQID (249) POS (17)
E 341	'Xaa' position not defined SEQID (249) POS (19)
E 341	'Xaa' position not defined SEQID (249) POS (25)
E 341	'Xaa' position not defined SEQID (249) POS (27)
E 341	'Xaa' position not defined SEQID (249) POS (28)
E 341	'Xaa' position not defined SEQID (249) POS (29)
E 341	'Xaa' position not defined SEQID (249) POS (30)
E 341	'Xaa' position not defined SEQID (249) POS (31)
	This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Cambridge Antibody Technology Limited

Monk, Phillip D

Jermutus, Lutz

Minter, Ralph R

Shorrocks, Celia P

<120> Human Antibody Molecules for IL-13

<130> 43518-0001 PC US

<140> US 10/564,647

<141> 2006-07-19

<150> PCT/GB2004/003059

<151> 2004-07-15

<150> US 60/487,512

<151> 2003-07-15

<150> US 60/558,216

<151> 2004-03-31

<150> GB 0407315.1

<151> 2004-03-31

<150> US 60/573,791

<151> 2004-05-24

<160> 249

<170> PatentIn version 3.1

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Asp Ser Ser Ser Asn Trp Ala Arg Trp Phe Phe Asp Leu
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<211> 11

<212> PRT

<213> Homo sapiens

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Gly Gly Asn Asn Ile Gly Ser Lys Leu Val His
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Asp Asp Gly Asp Arg Pro Ser
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Gln Val Trp Asp Thr Gly Ser Asp Pro Val Val
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Asn Tyr Gly Leu Ser
1 5

<210> 8

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<212> PRT

<213> Homo sapiens

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<212> PRT

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<212> PRT

<213> Homo sapiens

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<210> 13

<211> 122

<212> PRT

<213> Homo sapiens

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Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Arg Asn Tyr
20 25 30

Gly Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Ser Ala Asn Asn Gly Asp Thr Asn Tyr Gly Gln Glu Phe
50 55 60

Gln Gly Arg Ile Thr Met Thr Thr Glu Thr Ser Thr Asn Thr Ala His
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg Asp Ser Ser Ser Asn Trp Ala Arg Trp Phe Phe Asp Leu Trp
100 105 110

Gly Lys Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 14

<211> 108

<212> PRT

<213> Homo sapiens

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Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Gln
1 5 10 15

Thr Ala Arg Ile Pro Cys Gly Gly Asn Asn Ile Gly Ser Lys Leu Val
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Val Tyr
35 40 45

Asp Asp Gly Asp Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
50 55 60

Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Ile Asp Ala Gly
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Thr Gly Ser Asp Pro
85 90 95

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 15

<211> 122

<212> PRT

<213> Homo sapiens

<400> 15

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Gly Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Ser Ala Asn Asn Gly Asp Thr Asn Tyr Gly Gln Glu Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Ser Ser Ser Trp Ala Arg Trp Phe Phe Asp Leu Trp
100 105 110

Gly Arg Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 16

<211> 108

<212> PRT

<213> Homo sapiens

<400> 16

Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Lys
1 5 10 15

Thr Ala Arg Ile Thr Cys Gly Gly Asn Ile Ile Gly Ser Lys Leu Val
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
35 40 45

Asp Asp Gly Asp Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser

50

55

60

Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Val Glu Ala Gly
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Thr Gly Ser Asp Pro
85 90 95

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 17

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<212> PRT

<213> Homo sapiens

<400> 17

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Arg
20 25 30

<210> 18

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<213> Homo sapiens

<400> 18

Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
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<210> 19

<211> 32

<212> PRT

<213> Homo sapiens

<400> 19

Arg Ile Thr Met Thr Thr Glu Thr Ser Thr Asn Thr Ala His Met Glu
1 5 10 15

Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys Val Arg
20 25 30

<210> 20

<211> 22

<212> PRT

<213> Homo sapiens

<400> 20

Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Gln
1 5 10 15

Thr Ala Arg Ile Pro Cys
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<210> 21

<211> 15

<212> PRT

<213> Homo sapiens

<400> 21

Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Val Tyr
1 5 10 15

<210> 22

<211> 32

<212> PRT

<213> Homo sapiens

<400> 22

Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr
1 5 10 15

Leu Thr Ile Ser Arg Ile Asp Ala Gly Asp Glu Ala Asp Tyr Tyr Cys
20 25 30

<210> 23

<211> 120

<212> PRT

<213> Homo sapiens

<400> 23

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Val Gly Ala Ala Gly Glu Gly Tyr Tyr Gly Tyr Trp Gly Arg
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 24

<211> 110

<212> PRT

<213> Homo sapiens

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Asn Phe Met Leu Thr Gln Pro His Ser Val Ser Glu Ser Pro Gly Lys
1 5 10 15

Thr Val Thr Ile Ser Cys Thr Arg Ser Ser Gly Ser Ile Ala Ser Asn
20 25 30

Tyr Val Gln Trp Tyr Gln Gln Arg Pro Gly Ser Ala Pro Thr Thr Val
35 40 45

Ile Tyr Asp Asp Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Ile Asp Ser Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
65 70 75 80

Leu Lys Thr Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser
85 90 95

Asn Asn Asp Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu
100 105 110

<210> 25

<211> 123

<212> PRT

<213> Homo sapiens

<400> 25

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Gly Leu Val Gln Pro Gly
1 5 10 15

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser

20

25

30

Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp
35 40 45

Val Ser Ser Ile Ser Ala Ser Gly Asp Ser Thr Phe Tyr Ala Asp Ser
50 55 60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Asn Lys Asn Met Val
65 70 75 80

Phe Leu Gln Val Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Phe
85 90 95

Cys Ala Lys Asp Trp Ser Gln Trp Leu Val Gly Asp Ala Phe Asp Val
100 105 110

Trp Gly Arg Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 26

<211> 108

<212> PRT

<213> Homo sapiens

<400> 26

Asp Ile Gln Leu Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Val Ser Leu Trp
20 25 30

Val Ala Trp Tyr Gln Gln Arg Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Gly Ser Thr Leu Gln Ser Gly Val Pro Ala Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Lys Thr Phe Ser Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Ala
100 105

<210> 27

<211> 30

<212> PRT

<213> Homo sapiens

<400> 27

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr
20 25 30

<210> 28

<211> 14

<212> PRT

<213> Homo sapiens

<400> 28

Trp Tyr Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
1 5 10

<210> 29

<211> 32

<212> PRT

<213> Homo sapiens

<400> 29

Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr Met Glu
1 5 10 15

Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

<210> 30

<211> 22

<212> PRT

<213> Homo sapiens

<400> 30

Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Lys
1 5 10 15

Thr Ala Arg Ile Thr Cys
20

<210> 31

<211> 15

<212> PRT

<213> Homo sapiens

<400> 31

Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
1 5 10 15

<210> 32

<211> 32

<212> PRT

<213> Homo sapiens

<400> 32

Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr
1 5 10 15

Leu Thr Ile Ser Arg Val Glu Ala Gly Asp Glu Ala Asp Tyr Tyr Cys
20 25 30

<210> 33

<211> 122

<212> PRT

<213> Homo sapiens

<400> 33

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Val Gly Lys Ala Thr Thr Glu Glu Gly Tyr Tyr Gly Tyr Trp
100 105 110

Gly Arg Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 34

<211> 110

<212> PRT

<213> Homo sapiens

<400> 34

Asn Phe Met Leu Thr Gln Pro His Ser Val Ser Glu Ser Pro Gly Lys
1 5 10 15

Thr Val Thr Ile Ser Cys Thr Arg Ser Ser Gly Ser Ile Ala Ser Asn
20 25 30

Tyr Val Gln Trp Tyr Gln Gln Arg Pro Gly Ser Ala Pro Thr Thr Val
35 40 45

Ile Tyr Asp Asp Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Ile Asp Ser Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
65 70 75 80

Leu Lys Thr Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser
85 90 95

Asn Asn Asp Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu
100 105 110

<210> 35

<211> 122

<212> PRT

<213> Homo sapiens

<400> 35

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Glu Gln Thr
20 25 30

Gly Val Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Ser Ala Asn Asn Gly Asp Thr Asn Tyr Gly Gln Glu Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Ser Ser Ser Ser Trp Ala Arg Trp Phe Phe Asp Leu Trp
100 105 110

Gly Arg Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 36

<211> 108

<212> PRT

<213> Homo sapiens

<400> 36

Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Lys
1 5 10 15

Thr Ala Arg Ile Thr Cys Gly Gly Asn Ile Ile Gly Ser Lys Leu Val
20 25 30